



RACT-00100.ST25
SEQUENCE LISTING

<110> Reactive Surfaces, Ltd.
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Raushel, Frank M
Wild, James R

<120> Recombinant Organophosphorous Acid Anhydrase and Methods of Use

<130> TAMK145

<140> US 08/252,384
<141> 1994-06-01

<150> US 07/928,540
<151> 1992-08-13

<150> US 07/344,258
<151> 1989-04-27

<160> 2

<170> PatentIn version 3.3

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act ctg ctc ggc ggc ctg gct ggg tgc gcg agc gtg gct gga tcg atc 155
Thr Leu Leu Gly Gly Leu Ala Gly Cys Ala Ser Val Ala Gly Ser Ile
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ggc aca ggc gat cgg atc aat acc gtg cgc ggt cct atc aca atc tct 203
Gly Thr Gly Asp Arg Ile Asn Thr Val Arg Gly Pro Ile Thr Ile Ser
35 40 45
gaa gcg ggt ttc aca ctg act cac gag cac atc tgc ggc agc tcg gca 251
Glu Ala Gly Phe Thr Leu Thr His Glu His Ile Cys Gly Ser Ser Ala
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Gly Phe Leu Arg Ala Trp Pro Glu Phe Phe Gly Ser Arg Lys Ala Leu
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Ala Glu Lys Ala Val Arg Gly Leu Arg Arg Ala Arg Ala Ala Gly Val
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Arg Thr Ile Val Asp Val Ser Thr Phe Asp Ile Gly Arg Asp Val Ser

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gag gaa ctc aca cag ttc ttc ctg cgt gag att caa tat ggc atc gaa Glu Glu Leu Thr Gln Phe Phe Leu Arg Glu Ile Gln Tyr Gly Ile Glu	145 150	155	539
gac acc gga att agg gcg ggc att atc aag gtc gcg acc aca ggc aag Asp Thr Gly Ile Arg Ala Gly Ile Ile Lys Val Ala Thr Thr Gly Lys	160 165	170 175	587
gcg acc ccc ttt cag gag tta gtg tta aag gcg gcc gcc ccg gcc agc Ala Thr Pro Phe Gln Glu Leu Val Leu Lys Ala Ala Ala Arg Ala Ser	180 185	190	635
ttg gcc acc ggt gtt ccg gta acc act cac acg gca gca agt cag cgc Leu Ala Thr Gly Val Pro Val Thr Thr His Thr Ala Ala Ser Gln Arg	195 200	205	683
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ccg cac agt gcg att ggt cta gaa gat aat gcg agt gca tca gcc ctc Pro His Ser Ala Ile Gly Leu Glu Asp Asn Ala Ser Ala Ser Ala Leu	260 265	270	875
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65 70 75 80

Glu Lys Ala Val Arg Gly Leu Arg Arg Ala Arg Ala Ala Gly Val Arg
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Thr Ile Val Asp Val Ser Thr Phe Asp Ile Gly Arg Asp Val Ser Leu
100 105 110

Leu Ala Glu Val Ser Arg Ala Ala Asp Val His Ile Val Ala Ala Thr
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Gly Leu Trp Phe Asp Pro Pro Leu Ser Met Arg Leu Arg Ser Val Glu
130 135 140

Glu Leu Thr Gln Phe Phe Leu Arg Glu Ile Gln Tyr Gly Ile Glu Asp
145 150 155 160

Thr Gly Ile Arg Ala Gly Ile Ile Lys Val Ala Thr Thr Gly Lys Ala
165 170 175

Thr Pro Phe Gln Glu Leu Val Leu Lys Ala Ala Ala Arg Ala Ser Leu
180 185 190

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Ala Thr Gly Val Pro Val Thr Thr His Thr Ala Ala Ser Gln Arg Asp
195 200 205

Gly Glu Gln Gln Ala Ala Ile Phe Glu Ser Glu Gly Leu Ser Pro Ser
210 215 220

Arg Val Cys Ile Gly His Ser Asp Asp Thr Asp Asp Leu Ser Tyr Leu
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Thr Ala Leu Ala Ala Arg Gly Tyr Leu Ile Gly Leu Asp His Ile Pro
245 250 255

His Ser Ala Ile Gly Leu Glu Asp Asn Ala Ser Ala Ser Ala Leu Leu
260 265 270

Gly Ile Arg Ser Trp Gln Thr Arg Ala Leu Leu Ile Lys Ala Leu Ile
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Asp Gln Gly Tyr Met Lys Gln Ile Leu Val Ser Asn Asp Trp Leu Phe
290 295 300

Gly Phe Ser Ser Tyr Val Thr Asn Ile Met Asp Val Met Asp Arg Val
305 310 315 320

Asn Pro Asp Gly Met Ala Phe Ile Pro Leu Arg Val Ile Pro Phe Leu
325 330 335

Arg Glu Lys Gly Val Pro Gln Glu Thr Leu Ala Gly Ile Thr Val Thr
340 345 350

Asn Pro Ala Arg Phe Leu Ser Pro Thr Leu Arg Ala Ser
355 360 365